

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S80	0	(track tracking) with (signal error servo) same (delay\$4 ((time phase) near2 (shift\$ difference interval))) same diagon\$4 same optcl with (dis\$2 carrier)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/20 16:34
S79	35	("4057833").URPN.	USPAT	OR	ON	2006/06/20 14:11
S78	3	("3876841"   "3876842"   "3962720").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/20 14:11
S77	5	("4051527"   "4057833"   "4408314"   "4467462"   "4497048").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/20 14:10
S76	6	("4583209").URPN.	USPAT	OR	ON	2006/06/20 14:09
S75	35	("4057833").URPN.	USPAT	OR	ON	2006/06/20 13:59
S74	3	("3876841"   "3876842"   "3962720").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/20 13:59
S73	130	(track tracking) with (signal error servo) same (sum\$5 add\$5) same (delay\$4 ((time phase) near2 (shift\$4 difference))) same divi\$6 same compar\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/20 13:04
S72	130	(track tracking) with (signal error servo) same (sum\$5 add\$5) same (delay\$4 ((time phase) near2 (shift\$ difference))) same divi\$6 same compar\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/20 13:04
S71	110	(track tracking) with (signal error servo) same (sum\$5 add\$5) same (delay\$4 ((time phase) near2 (shift\$ difference))) same divi\$6 same optical near2 dis\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/20 13:03
S65	91	(track tracking) with (signal error servo) same (sum\$5 add\$5) same (delay\$4 ((time phase) near2 (shift\$ difference))) same (compar\$5 exor) same optical near2 dis\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/20 12:58
S64	928	(track tracking) with (signal error servo) same (sum\$5 add\$5) same (delay\$4 ((time phase) near2 (shift\$ difference))) same (compar\$5 exor)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/20 12:51

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S63	476	(track tracking) with (signal error servo) same (sum\$5 add\$5) same (delay\$4 phase shift\$ difference) same detect\$3 same light same optical with dis\$2 same (record\$4 reroduc\$3 read\$4 writ\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/20 12:50
S62	759	(track tracking) with (signal error servo) same (sum\$5 add\$5) same (delay\$4 phase shift\$ difference) same detect\$3 same light same optical with dis\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/20 12:45
S61	1425	(track tracking) with (signal error servo) same (sum\$5 add\$5) same (delay\$4 phase shift\$ difference) same detect\$3 same light and optical with dis\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/20 12:44
S60	3113	(track tracking) with (signal error servo) same (sum\$5 add\$5) same (delay\$4 phase shift\$ difference) same detect\$3 and optical with dis\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/20 12:43
S59	4908	(track tracking) with (signal error servo) same (sum\$5 add\$5) same (delay\$4 phase shift\$ difference) and optical with dis\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/20 12:42
S58	13498	(track tracking) with (signal error servo) same (sum\$5 add\$5) same (delay\$4 phase shift\$ difference)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/20 12:42
S57	112	sum same track\$4 same error same compar\$3 same phase same difference	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 20:39
S56	185	sum same track\$4 same compar\$3 same phase same difference	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 20:39
S55	16	sum same diagonal same compar\$3 same phase same difference	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 20:38
S54	10	("5060216").URPN.	USPAT	OR	OFF	2006/06/15 20:20
S53	242	sum same track\$3 with error same phase with difference	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 20:09

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S45	167	(rf same delay same track\$3 same phase)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 20:09
S52	122	synthesizer same track\$3 same delay	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 20:05
S51	1963	synthesizer same track\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 20:05
S50	76382	synthesizer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 20:05
S49	173	first same second same third same sum\$4 same delay same error	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 20:05
S44	252	(delay same tracking same error same phase same difference)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 19:11
S41	311	S40 not S39	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 19:09
S40	361	phase with difference with track\$ same digit\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 18:48
S39	50	phase with difference with track\$ same digit\$3 same pulse	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 18:48
S38	123	delay with track\$ same digit\$3 same pulse	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 18:46
S37	66	delay with track\$ with difference and digit\$3 same pulse	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 18:42
S33	291	delay with track\$ with difference and digit\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 18:40

## EAST Search History

S35	45	delay with track\$ with difference same filter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 18:37
S34	60	delay with track\$ with difference same compar\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 18:36
S32	492	delay with track\$ with difference	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 18:35
S23	659	track\$3 same error same phase with difference same (filter memory register delay)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 18:34
S31	2	("6137755").URPN.	USPAT	OR	OFF	2006/06/15 18:28
S30	7	BAKX and DEKKER	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 18:27
S29	31	369/53.23.ccls. and sum with track\$3 with error	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 18:25
S27	3	369/53.23.ccls. and shift with register	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 18:21
S26	30	369/53.23.ccls. and delay	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 18:20
S24	295	track\$3 same error same phase with difference same (filter memory register delay) and optical	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 18:20
S25	1	("6275463").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/15 18:16
S22	2679	track\$3 same error same phase with difference	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 16:50
S13	0	track\$3 same delay same sliz\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 16:49

## EAST Search History

S21	1	1989-349996.NRAN.	DERWENT	OR	OFF	2006/06/15 16:24
S20	1	1991-348025.NRAN.	DERWENT	OR	OFF	2006/06/15 16:24
S19	23	"5155716" "5031167"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 16:23
S18	1	EP with "0458319" EP with "0343952" EP with "0574886"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 16:23
S17	29	cheng with yuh	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 16:19
S16	2	"6961297"	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2006/06/15 16:09
S15	2	"6961697"	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2006/06/15 16:09
S14	216	track\$3 same delay same slic\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/23 17:44
S12	0	track\$3 same delay same digit\$3 same sliz\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/23 17:44
S11	53	track\$3 same delay same addi\$4 same low with filter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/23 17:44
S10	50	BAKX with JOHANNUS DEKKER with ANTHONIUS	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/23 17:38
S9	206	track\$3 with error with digit\$4 with compar\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/23 15:45
S8	1031	track\$3 same error same digit\$4 same compar\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/23 15:44

## EAST Search History

S7	282	track\$3 same error same time same delay same digit\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/23 15:44
S6	38	track\$3 same error same time same delay same digit\$4 same compar\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/23 15:25
S5	282	track\$3 same error same time same delay same digit\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/23 15:19
S4	1725	track\$3 same error same time same delay	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/23 15:19
S3	2	("6137755").URPN.	USPAT	OR	OFF	2006/05/23 15:18
S1	6	"6137755"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/23 15:18
S2	7	("4057833"   "4813031"   "5150345"   "5157645"   "5181195"   "5610887"   "5787059").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/23 14:45

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L21	777	(Chih with Huang Yuh with Cheng Nai with Tseng)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/23 15:25
L22	735	(Chih near2 Huang Yuh near2 Cheng Nai near2 Tseng)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/23 15:26
L23	40	(Chih near2 Huang Yuh near2 Cheng Nai near2 Tseng) and track\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/23 15:26
L24	1	(Chih near2 Huang and Yuh near2 Cheng and Nai near2 Tseng)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/23 15:26
L25	140	((sum\$3 add\$3) and (track\$4 with (error signal)) and (delay)).clm.	US-PGPUB	OR	ON	2006/06/23 15:28